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# DEAR FRESHMAN

## ENGINEERS' COUNCIL

To the Freshman Engineers:

I have been asked by the editor to write this letter for the benefit of our new students, portraying the reasons for and the purposes of the Engineers' Council.

On looking through the minutes of the meetings I find that the council was organized in the fall of 1921. The constitution was drawn up by a committee headed by O. W. Merrell, now Director of Highways of the State of Ohio. The reasons for organizing the council and its purposes are well set forth in the preamble, which reads,

"We, the student representatives of the departments in the Engineering College of the Ohio State University, in order to establish a more general recognition for the Engineering College, to develop a closer relationship among engineering students, to encourage a wider acquaintance, to promote general social activities among the students, and to bring the students in closer touch with practical engineering promotion, do organize ourselves into a Council."

It has developed that the principle activities are the annual Engineers' Roundup in November, and the promotion of a biennial engineers' day in the spring in which the different departments of the College of Engineering compete in displaying their equipment and experiments. We promote at least one dance per year, usually during the spring quarter.

The representatives are elected by the students, two from each department, one from the OHIO STATE ENGINEER, and the Student Senate Representative from the College of Engineering, summing up to twenty.

In closing, I wish to ask for the cooperation of the upperclassmen as well as the freshmen in making this a successful year for the Engineers' Council and for the societies there represented.

JOHN W. COLE, *President*.

## AMERICAN SOCIETY OF MECHANICAL ENGINEERS

PAUL LOCKETT, *Chairman*

THE Student Branch of the American Society of Mechanical Engineers meets every Friday at 4 o'clock in room 166, Robinson Laboratory. It is an organization of all Junior and Senior M. E. students and is authorized by the national society. Officers are elected from and by the student members at the end of each quarter. These, with the help of an honorary chairman, a faculty member, are responsible for the programs which consist of educational films of the engineering industry, talks by prominent engineers, and debates and papers by the student members.

The membership card of the student branch admits the student to the regular meetings of the Local Sections of the national society as well as to those of other engineering societies. Such privileges are a distinct advantage. There are also prizes and scholarships to be won by deserving students who are members of this organization.

The badge of the society is a four-leaf-clover design bearing the initials A.S.M.E.. The badge of Honorary Members, Members, Associates, and Associate Members is in dark blue enamel with letters of bright gold. The badge of the Junior Members is the same as that of the above grades except that the background is in crimson enamel. The student badge is a small replica of the dark blue badge placed upon a larger scarlet and gray four-leaf clover, which bears the words "Student —O. S. U." in gold letters. The whole is about  $\frac{1}{4}$  the size of the regular badge.

While membership in the student branch is required of and limited to upperclassmen, there is much benefit to all. The Branch cordially invites M. E. underclassmen, especially second-year men, to attend the meetings. Attendance will help to introduce you to the department and make you feel more at home later on.

## AMERICAN CERAMIC SOCIETY

W. F. YEAGLEY, *Secretary-Treasurer*

WE OF the executive committee of the Student Branch of the American Ceramic Society, extend to you a welcome and invitation to join our group. Our society is an organization on this campus open to everyone interested in Ceramic Engineering.

The object of our organization is to support the work of the American Ceramic Society and to enable the ceramic student to gain a perspective of engineering work through acquaintance with those engaged in it and with the teaching personnel of the Department. Our meetings are a place to make contacts between those who are students and those in the actual work of the ceramic plant. Come around and meet the Sophomore, Junior, and Senior members. Our meetings are held at least once a month, and that is the only time when one may meet nearly all the students in ceramics. One also has the chance to become acquainted with the faculty of the Ceramic Department. Our job is to promote a fellowship among the boys in Ceramics which cannot be formed in any other way on a campus as large as this.

Freshmen, you are very welcome to come and learn more of what you are really interested in. The first meeting is Tuesday, October 13, at 7:30 P. M., in Room 125, Lord Hall. Dues for the year's membership are a dollar and a half (most of which goes for refreshments). Election of officers will take place at our second meeting. Yours for a successful year.

## AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

CHARLES LUCAL, *President*

THE American Institute of Electrical Engineers is the national organization representing the electrical engineering profession. It was founded in 1884, when the possibilities which might follow from an organization which would foster and encourage electrical development were beginning to be realized. The objects of the Institute are (1) the advancement of the theory and practice of electrical engineering and of the allied arts and

sciences, (2) the maintenance of a high professional standing among its members, and (3) the development of the individual engineer. The Institute has contributed largely toward the remarkable progress that has taken place in the electrical field during the last four decades and has been an important factor in advancing the interests of its members and the entire engineering profession.

To promote the future growth and effectiveness of the Institute, the plan for the formation of the student branches of the Institute was inaugurated in 1902. These branches afford an opportunity for the student to gain a proper perspective of engineering work, by enabling him to become acquainted with the personnel and the problems of the profession. It provides a valuable medium for exchange and expression of ideas, and for the development of leadership and cooperation. With these objects in mind, I welcome you, Mr. Freshman Electrical Engineer, to participate in the activities of the membership in the Ohio State Branch of The American Institute of Electrical Engineers.

### SOCIETY OF STUDENT INDUSTRIAL ENGINEERS

To the Freshmen:

The Society of Student Industrial Engineers is grateful indeed for this opportunity to congratulate you on your selection of the Ohio State University for your engineering education. Quite a number of us have spent at least three years in this institution, and we feel certain such a statement is fully justified.

Nearly every department of engineering on the campus has a student society of the particular branch of the profession it represents. Those societies are one of the chief aids in connecting the theory of the textbooks with the practical problems of industry. Since we are more familiar with the purposes and the functioning of our own organization, perhaps an explanation of it would best explain the situation as a whole.

The purpose of our society is to discuss Industrial Engineering problems, to promote Industrial Engineering spirit, and to develop a closer relationship among faculty and student members. The discussion of Industrial Engineering problems cannot be overemphasized. The presentation of the problem is usually given in talks at monthly dinner meetings by some prominent engineer actively engaged in industry. No nearer contact could possibly be made with practical engineers and their problems. The dinner meetings, however, serve even more of a purpose than just the valuable discussions. There is no better way of promoting fellowship among the students themselves, and between the students and the faculty, than around the dinner table.

This issue of the *ENGINEER* is dedicated to the Freshmen, and the policy of our society does really fit in such a number. We are always desirous of a large representation of Freshmen Associate Members. The most benefit, both to the individual and the Society, is derived by as long a period of active work in the organization as possible. Realizing that the Freshman of today is the Junior and Senior of tomorrow, we have in our program an active part for the first-year man. We feel our Society is almost distinctive in that respect.

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For those students interested in Industrial Engineering we would strongly recommend you attend the first meeting of the Society of Student Industrial Engineers. The interest, the enthusiasm, the comradeship and friendliness of the members you will see there will fully convince you of the necessity of becoming a member yourself. Watch the *Daily Bulletin*, the *Lantern* and the Industrial Engineering bulletin board for a full announcement of our first meeting.

May your college career, Mr. Freshman, be most successful.

Sincerely,  
H. F. CARROLL, *President*.

### OHIO STATE RADIO CLUB

To the Radio-Minded Freshman:

The Ohio State Radio Club is an organization of Amateur Radio operators. We have a clubhouse, or "shack" as we call it, which houses our transmitting and receiving equipment. In this respect we differ from any other campus organization. Two transmitters and receivers are available for the use of members as well as various facilities for construction and experimentation. One of the transmitters is a crystal control 250-watt continuous wave set, and the other (now under reconstruction) is a 50-watt phone set. The call letters of the station are W8LT.

The chief requirement for membership in our organization is a genuine interest in amateur radio. A knowledge of the code is desirable but not necessary. Any of you freshmen who are interested in amateur radio are urged to drop around to our station at any time. It is located just north of the University Press and just south of the towers of WEAO. Our meetings are held every Friday night at seven-thirty. If you are at all interested in our organization we hope that you will drop in at some of these meetings. Hoping that your achievements at this University will be of the greatest, I am,

Very sincerely yours,  
FRED H. TRIMMER, *Vice President*.

### O. S. U. GLIDER CLUB

DAVE FORCE, *President*

**I**N THE fall of 1928 a group of students interested in aviation organized a society called the Ohio State University Aeronautical Society. The object of this group was to promote aviation at the University, and, ultimately, buy an aeroplane. In the spring of 1929 it became evident to a few men that it would be several years before money would be available for an aeroplane.

A small group of men, led by Patsy Difloure, organized the Loons Glider Club with the hope and aim of obtaining a glider at once. The name was later changed to the O. S. U. Glider Club. In the fall of 1930 the club purchased a second-hand glider and began at once to train themselves to handle it. As this part of the country does not have the hills that are necessary for shock cord launching, the gliding must be done by towing the glider with an automobile, using a rope or cable varying in length from 100 to 300 feet.

Most of the men joining the club have never had any experience in flying, so the club has worked out its own training course. The student

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### O. S. U. GLIDER CLUB

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is given several lectures on the theory of flight by A. J. Fairbanks, Professor of Aeronautics and faculty adviser of the club. The next step is to let the student ride in the glider with the control stick tied forward, preventing the glider from leaving the ground. In this manner the student learns to balance the ship and develops his flying sense and nerve. Then the stick is loosened by degrees and the student is soon flying at heights varying from 25 to 100 feet with ease and confidence.

The benefits derived by the members of the club are twofold:

1. When a student takes his first flight off of the ground he experiences one of the greatest thrills of his life. As he continues the flights and goes higher and higher, the sports becomes more and more thrilling.

2. The training is very practicable and is a fundamental step toward obtaining a pilot's license.

Membership in this organization is open to men and women students of the University and is controlled by the present members.

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## O. S. U. GLIDER CLUB

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The club now owns two gliders and an automobile and is considering buying another glider.

The club is approved by the Dean, who took his first ride last spring.

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